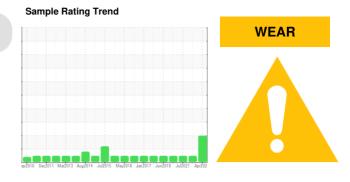


# **OIL ANALYSIS REPORT**

Area OKLAHOMA/102/EG - MOTOR GRADER 78.67 [OKLAHOMA^102^EG - MOTOR GRADER] Component Right Tandem



Fluid MOBIL 50W (--- GAL)

## DIAGNOSIS

#### Recommendation

No corrective action is recommended at this time. The oil change at the time of sampling has been noted. Resample at the next service interval to monitor.

### 📥 Wear

Bearing and/or bushing wear is indicated.

#### Contamination

There is no indication of any contamination in the oil.

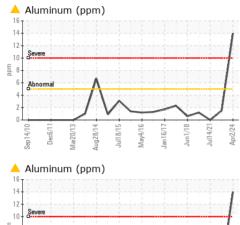
#### Fluid Condition

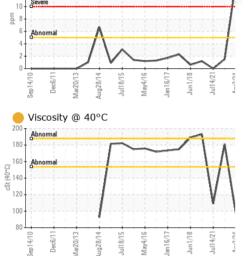
The oil viscosity is lower than normal. Confirm oil type.

SAMPLE INFORM	ATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0908759	WC0800845	WC0598740
Sample Date		Client Info		02 Apr 2024	14 Apr 2023	14 Jul 2021
Machine Age	hrs	Client Info		16500	15528	14240
Oil Age	hrs	Client Info		2260	1288	575
Oil Changed		Client Info		Changed	Not Changd	Changed
Sample Status				ABNORMAL	NORMAL	NORMAL
CONTAMINATION	V	method	limit/base	current	history1	history2
Water		WC Method	>0.2	NEG	NEG	NEG
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>425	19	61	75
Chromium	ppm	ASTM D5185m	>5	<1	<1	<1
Nickel	ppm	ASTM D5185m	>5	0	0	0
Titanium	ppm	ASTM D5185m		<1	<1	<1
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>5	<u> </u>	2	0
Lead	ppm	ASTM D5185m		<1	0	0
Copper	ppm	ASTM D5185m	>8	<u> </u>	<1	0
Tin	ppm	ASTM D5185m		<1	0	0
Antimony	ppm	ASTM D5185m	>5			0
Vanadium	ppm	ASTM D5185m		<1	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
	pp					
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		38	9	37
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		1	3	3
Manganese	ppm	ASTM D5185m		3	1	<1
Magnesium	ppm	ASTM D5185m		24	27	9
Calcium	ppm	ASTM D5185m		4314	2954	3254
Phosphorus	ppm	ASTM D5185m		1507	999	1241
Zinc	ppm	ASTM D5185m		1734	1220	1182
Sulfur	ppm	ASTM D5185m		7333	11069	4502
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	11	8	10
Sodium	ppm	ASTM D5185m		8	3	13
Potassium	ppm	ASTM D5185m	>20	2	0	2
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	LIGHT
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	VLITE
Debris	scalar	*Visual	NONE	NONE	NONE	VLITE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
					NORML	NORML NORML
Appearance Odor Emulsified Water	scalar	*Visual	NORML	NORML		NORML
Odor					NORML NEG	



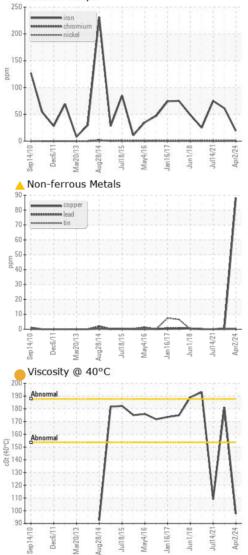
## **OIL ANALYSIS REPORT**





FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445		97.5	181	109
SAMPLE IMAGES		method	limit/base	current	history1	history2
Color				no image	no image	no image
Bottom				no image	no image	no image





SHERWOOD CONSTRUCTION CO INC 3219 WEST MAY ST WICHITA, KS Baldridge US 67213 Contact: DOUG KING doug.king@sherwood.net T: (316)617-3161

 Lab Number : 06141760
 Tested : 09 Apr 2024

 Unique Number : 10966568
 Diagnosed : 10 Apr 2024 - Don Baldridge

 Certificate L2307
 Test Package : CONST

 To discuss this sample report, contact Customer Service at 1-800-237-1369.
 dot

 \* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.
 dot

 Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

: WearCheck USA - 501 Madison Ave., Cary, NC 27513

Received

: 08 Apr 2024

Report Id: SHEWIC [WUSCAR] 06141760 (Generated: 04/10/2024 19:58:49) Rev: 1

Laboratory

Sample No.

: WC0908759

Submitted By: SHAWN SOUTH Page 2 of 2

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